509,844

(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局

(43) 国際公開日
2003 年12 月18 日 (18.12.2003)

PCT

(10) 国際公開番号
WO 03/104585 A1

(51) 国際特許分類[7]: E04G 3/00, 3/10

(21) 国際出願番号: PCT/JP03/07046

(22) 国際出願日: 2003 年6 月3 日 (03.06.2003)

(25) 国際出願の言語: 日本語

(26) 国際公開の言語: 日本語

(30) 優先権データ:
特願2002-163776 2002 年6 月5 日 (05.06.2002) JP

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(81) 指定国 (国内): BR, CA, CN, ID, US.

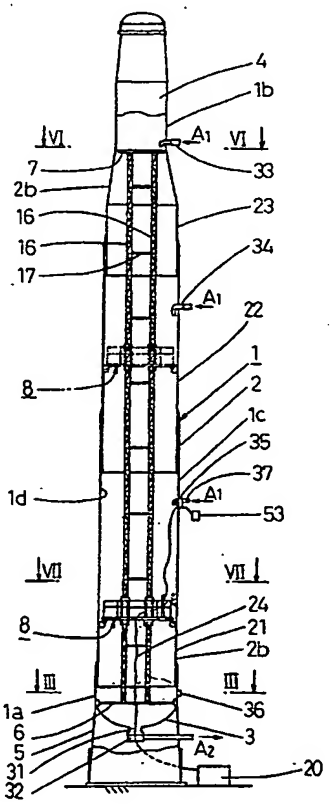
(84) 指定国 (広域): ヨーロッパ特許 (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

添付公開書類:
— 国際調査報告書

[続葉有]

(54) Title: SCAFFOLDING DEVICE FOR WORK ON INNER WALL FACE OF TOWER VESSEL BODY, AND METHOD OF WORK ON INNER WALL FACE USING THE SCAFFOLDING DEVICE

(54) 発明の名称: 塔槽体の内壁面作業用足場装置及び該足場装置を用いた内壁面作業方法



(57) Abstract: A work-scaffolding device comprises a single or plural posts (16) that are inside a tower vessel (1) and is stood from the bottom portion toward the top portion of the tower vessel and an elevatable work platform (8) installed elevatable with respect to the posts (16). For work, the posts (16) are built in the tower vessel (1) and the elevatable work platform (8) is installed on the posts. After that, the work height can be adjusted easily and quickly by moving the elevatable work platform (8) along the posts (16). For example, in comparison with a case where re-scaffolding such as adding scaffoldings in the tower vessel is required every time the work height is changed,the workability of work on an inner wall face is improved remarkably and the safety at work is also increased because re-scaffolding at heights is not required. Thus, both reduction in work costs and securing of safety at work can be achieved at the same time.

(57) 要約: 作業用足場装置を、塔槽体（１）の内部にその底部から頂部に向けて立設配置された単数又は複数のポスト（１６）と、前記ポスト（１６）に対して昇降動自在に取り付けられた昇降作業台（８）とを備え、作業時には、前記塔槽体（１）内に前記ポスト（１６）を構築し且つこれに前記昇降作業台（８）を取り付けると、後は前記昇降作業台（８）を前記ポスト（１６）に沿って昇降動させることでその作業高さの調整を容易且つ迅速に行うことができ、例えば作業高さの変更時毎に塔槽体（１）内での櫓の組増し等の段替作業を必要とするような場合に比して、内壁面作業の作業性が格段に向上するとともに、高所での段替作業が不要であることから作業上の安全性も向上し、作業コストの低廉化と安全性の確保との両立が図れる。

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ABSTRACT

A scaffold apparatus for operations comprises either a single post or a plurality of posts (16) put up inside a tower structure (1), from a bottom section thereof toward a top section, and a height adjustable operations platform (8) that is attached in a manner that enables free up or down movement along the posts (16), and during operation, if the posts (16) are assembled inside the tower structure (1) and the height adjustable operations platform (8) is then attached to the posts, then subsequent adjustments of the operating height is performed easily and quickly by moving the height adjustable operations platform (8) up or down along the posts (16), and compared with a case in which, for example, a level adjustment operation such as adding to the scaffold framework is required inside the tower structure every time the operating height is altered, the operability of inner wall surface operations improves markedly, and because level adjustment operations need not be conducted at great heights, the safety of operations also improves, meaning both operating cost reductions and improved safety are achieved.